

ORIGINAL

QUALITY CERTIFICATE



주식회사 휴스틸

HUSTEEL Co., Ltd.

P/O No. : 16868
L/C No. : M930221
ISSUED DATE : 2014.01.13
COMMODITY : E.R.W. STEEL PIPE
SPECIFICATION : API 5LB PSL-1/ASTM A53B

HEAD OFFICE : SHINAN B/D 15F, 943-19, DAECHE-DONG, KANGNAM-GU, SEOUL, KOREA
DAEBUL PLANT: 3RO, DAEBUL INDUSTRIAL COMPLEX, SAMHO-EUP, YEONGAM-GUN, JEOLLANAM-DO, KOREA

CERTIFICATE No. : 140113-018
MANUFACTURED No. : 2013-12-218
SUPPLIER : HUSTEEL CO., LTD.
CUSTOMER : PLESA ANAHUAC Y CIAS., S.A. DE C.V.

Table with columns: NO., HEAT_NO, QUANTITY, TYPE, NOMINAL SIZE, ORDER SIZE (O.D, W.T, LENGTH), WEIGHT, TENSILE TEST (DIR, TS, YS, EL, YR, WTS), CHEMICAL COMPOSITION (%). Includes rows for heat numbers M89827, M84245, and M89819.

Table with columns: NO., HYDROSTATIC TEST, HEAT TREATMENT, ZINC COATING TEST, THREADS, HARDNESS TEST, IMPACT TEST, FLATTENING OR BEND TEST, VISUAL & DIMENSION, METALLOGRAPHIC TEST, RESIDUAL MAGNETISM. Includes rows for hydrostatic test results.

*1. Type of Pipe Ends
*2. O.D : Outsid Diameter, W.T : Wall Thickness
*3. Direction: L : Longitudinal, T : Transverse
*4. Tensile Test -TS : Tensile Strength, YS : Yield Strength, YR : Yield Ratio, EL : Elongation, WTS : Weld tensile strength, Gauge Length : 2 inch, Y.P method : 0.5% Underload
*5. H : Heat analysis, P : Product analysis
*6. -2 : x1/100, -3 : x1/1000, -4 : x1/10000, -5 : x1/10000, Tr : Trace
*7. B : Base Metal, W : Weld Line, H : Heat Affected Zone
*8. Specimen Size -A:10x10mm, B:10x7.5mm, C:10x6.6mm, D:10x5.0mm, Direction: Transverse
*9. T.P : Testing Pressure, H.T : Holding Time
*10. Heat Treatment Seam Normalizing
*11. W.ZC : Weight of Zinc Coating, CST : Copper Sulphate Test
*12. T.P.I : Threads per inch, E.T.L : Effective length of threads
*13. NDT : UT, Reference Standard 3.2 C Drilled Hole

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ORDER AND ABOVE SPECIFICATION
THIS CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1(ISO 10474 3.1 B)
SURVEYOR
MANAGER OF Q.A TEAM

